TVA-MP-G10-
00353

Public Works (1910) Department.

1/179

1

G.O., No. 179-80 I

DATED 8/6/1910.

The Notes in this G.O. have been printed.

[Despatch Abstract.]

Excess Outlay

Authorising the Examiner of P. W. Accounts to pass the ----- incurred on the work of constructing a regulator at the site of the Periyar Right bank escape, Periyar Project, and directing that a copy of the Proceedings be forwarded to the Government of India for information.

Excess Outlay

Forwarding to the Government of India a copy of the Proceedings authorising the Examiner of P. W. Accounts to pass the ----- incurred on the work of constructing a regulator at the site of the Periyar Right bank escape, Periyar Project.

[P. W. 9. 1,250—22-7-09.]

Indexed. 11/6

Registered as No 27-I of 1910-11

8.6.10

9/6/10

G.O.	No.	Department.	Date.

தமிழ்நாடு ஆவணக்காப்பகம்

பாதுகாப்பு (Pr1) பிரிவு   பணி எண்: 24254

செப்பனிட்டவரின் பெயர் : அ. சரவணன்

ஆவணத்திலுள்ள மொத்த தாட்கள் : 10. தாட்கள்

செப்பனிட்டு முடித்த நாள் : 14.11.2016

செப்பனிட்டவரின் கையொப்பம் :

-- சரிபார்க்கப்பட்டது --

பணி வழங்கிய எழுத்தர் (Issue Clerk) 23/11/16

பிரிவுத் தலைவர் 23/11

பணி சரிபார்த்த எழுத்தர் (Checking Clerk) 15/11/16

2/179

Government of Madras.

2

PUBLIC WORKS DEPARTMENT.

IRRIGATION.
ACCOUNT.

Recd. } 1910. *Enclosures* 1
Regd. *Spare copies*

G.O., Nos. 179, 180 I., 8th June 1910.

Excess Outlay.

Forwarding to the Government of India a copy of the Proceedings authorising the Examiner of Public Works Accounts to pass the — incurred ~~on the~~ work of ~~constructing~~ a regulator at the site of the Periyár right bank escape, Periyár project.

No. 179 I., 8th June 1910.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

I

G.O., No. 211 I., dated 24th February 1905.

II

Letter—from H. E. Clerk, Esq., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation (through the Examiner, Public Works Accounts).
Dated—Trichinopoly, the 15th March 1910.
No.—296 C.E.

I have the honour to forward herewith the completion report for the work "constructing a regulator at the site of the Periyár right bank escape". The sanctioned estimate for the work amounts to Rs. 4,42,200 (exclusive of establishment charges) and the actual expenditure to Rs. 4,65,938. The excess requiring the sanction of Government is thus Rs. 23,738 which is about $5\frac{1}{3}$ per cent. of the sanctioned estimate.

2. It will be seen from the papers herewith forwarded that the excess in general is due to the inadequate provision made in the estimate for certain items and also to certain other items which were found necessary during execution but which could not well be foreseen.

3. A set of plans of the regulator as actually built was forwarded to you with this office No. 119 C.E., dated 13th February 1909. A revised set of plans is now forwarded and it is requested that the corrections shown therein may be embodied in the former set.

4. The completion report had to be sent to Supervisor M.R.Ry. P. A. Venkatarama Aiyar of the II Circle for explanation of the causes of excesses or savings. This accounts for the delay in its submission.

No. 1777 *B./B.K., dated* 31*st March* 1910.
Forwarded duly verified.

R. Srinivasa Aiyar,
Offg. Examiner, P.W. Accts., Madras and Coorg.

Enclosures.

Constructing a regulator at the site of right bank escape, Periyár.

	RS.
Estimate	4,42,200

Explanation of excesses to accompany the completion report—

(A) This is the actual cost of the work done.

(B) The cut-waters and caps were heavy stone and required careful dressing; the rate allowed in the estimate was not quite sufficient.

(C) *Actual quantity and cost.*—The soft rock had to be removed and the hard rock benched.

(D) Actual cost: the scaffolding was carried away twice by floods.

(E) Actual cost of petty items.

(F) The supervision required was very great and was costly on account of the accuracy with which the work had to be fitted up.

(G) This was for cementing the roller backs, guide angles and guide channels into the masonry to follow Messrs. Ransomes and Rapiers' design.

(H) Excess partly due to same reason as given in (G) and also besides the tops, 3 feet of the piers and abutments under the girders were built in cement.

(I) Due to same reason as given for (G); the girder and roller backs were bolted every 1½ feet in their height to the masonry.

(J) Each stone on the outside of the piers and abutments was accurately fitted in a chiselled recess into the rock; this is the cause of the excess on this item.

(K) The soft rock was a little deeper than it was thought at first.

(L & M) The original sums provided in the estimate were quite inadequate. All the carriage and fitting up of the iron work was carefully supervised by the Executive Engineer.

(N) This was due to the cutting back in the hill side for approaches to the right and left abutments.

(O) See item E, excess due to petty works.

(P) The hutting was destroyed by fire once and had to be renewed several times owing to the monsoon which was very heavy.

(Q) This was entered as a separate item, although it could have been included in item A. It is the actual cost of removing the barrier of rock, the masonry wall in front of the regulator.

(R) This represents a large quantity of sand, cutstone and sand bags.

R. DECHAZAL,
Executive Engineer, Madura Division.

12th December 1908.

Name of work—Constructing a regulator at the site of Periyár right bank escape.
Fund—49. Capital.
Departmental head—1. Head works.
Reference to last schedule docket submitted—No. 80 for the month of September 1908.
Authority—S.E.R. No. 285 of 1904–1905.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
Proposed regulator at Periyár.		RS. A. P.	RS.		RS. A. P.	RS.		RS.	RS.	
Cutting rock in vent-ways to uniform level.	L.S.	..	1,500	31,735	8 2 5 / 100	2,587	..	..	1,087	A
Concrete in surki mortar.	12,612	19 8 0 / 100	2,459	3,477	21 11 6 / 100	755	9,135	..	— 1,704	A-1
Concrete in Portland cement.	731	8 7 0 / 100	636	2,530	26 14 8 / 100	681	1,799	..	45	A-2
Rubble in surki mortar.	105,079	26 0 0 / 100	27,320	93,779	27 14 6 / 100	26,172	11,300	..	— 1,148	A-3
Cutstone (faced work) in surki mortar, cut-waters and their caps, etc.	9,038	2 4 0 per	20,336	7477·73	2 13 10 per.	21,432	1560·27	..	1,096	B
Cutstone flooring in cement mortar and pointed with cement.	6,119	175 0 0 / 100	10,708	9,233	188 3 0 / 100	17,375	3,11[illegible]	..	6,667	C
Cement pointing to all exposed surfaces.	35,500	7 0 0 / 100	2,485	39,784	7 2 9 / 100	2,852	4,284	..	367	C-1
Scaffolding, etc. ..	L.S.	..	1,000	..	..	1,919	..	..	919	D
Unforeseen works in connection with foundation.	L.S.	..	3,000	..	..	2,606	..	..	— 394	D-1
	..	..	3,620	..	..	4,168	..	..	539	E
Contingencies ..	..	..	1,887	..	..	3,426	..	..	1,539	F
Supervision	..	..	1,040	..	..	1,193	..	..	153	F-1
Items costing Rs. 500 and under.										
Cutstone in cement ..	..	..	..	2,961½	2 1 6 / 100	6,199	..	..	6,199	G
Rubble in cement ..	..	..	..	6,812	63 8 8 / 100	4,262	..	..	4,262	H
Cutstone drilling holes for bolts.	..	..	..	1,100	1 0 0 per.	1,100	..	..	1,100	I
Cutstone and drilling rock in foundation and benching.	..	..	..	4,383	0 10 3 / 100	2,820	..	..	2,820	J
Excavating foundation.	..	..	..	9,435	12 13 6 / 100	1,211	..	..	1,211	K

*— denotes savings.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount	Quantity.	Rate.	Amount.	
		RS. A. P.	RS.		RS. A. P.	RS		RS.	RS.	
Lift shutters (10 in number) of Stoney's pattern including over-bridges.										
Cost of 10 sluices as quoted by Messrs. Ransomes and Rapiers exclusive of timber and fitting boxes in counterbalance box.	..	..	2,17,050	..	..	2,09,671	..	..	— 7,379	K-1
Timber and fitting in balance boxes.	..	..	23,150	..	..	7,324	..	..	— 15,826	K-2
Landing the shutter articles, etc., railway freight for the same from Egmore to Ammayanáyakanúr Railway station (to sluice).	..	..	20,000	..	..	448	..	..	— 19,552	K-3
Conveyance of shutters articles from the Railway station to the workspot.	..	..	2,500	..	..	17,781	..	..	15,281	L
Fitting charges at site for 10 shutters.	..	..	5,000	..	..	29,744	..	..	24,744	M
Items costing Rs. 500 and under.	..	..	..	..	..	100	..	..	100	M-1
Lowering right bank escape.										
Blasting rock ..	1,024,538	8 0 0 / 100	81,963	..	..	72,433	..	..	— 9,530	M-2
Earthwork in gravelly soil.	382,283	9 0 0 / 100	3,441	384,925	11 5 0 / 100	4,359	2,642	..	918	N
Contingencies ..	..	..	2,149	..	..	4,994	..	..	2,845	O
Supervision	..	..	2,149	..	..	2,426	..	..	277	O-1
Items costing Rs. 500 and under.	..	..	298	..	..	*Nil.*	..	..	— 298	
Hutting mechanics 6 fitters, store-sheds, labourers and bazaarman, etc.										
Hutting for mechanics 6 fitters.	..	..	1,000	..	..	1,139	..	..	139	
Store-sheds	..	..	2,500	..	..	1,008	..	..	— 1,492	
Sheds for labourers, bazaarman, etc.	..	..	5,000	..	..	5,934	..	..	934	P
Constructing hospital ..	..	..	..	..	..	338	..	..	338	
Removing barrier ..	..	..	..	..	..	4,482	..	..	4,482	Q
Materials washed away by floods.	..	..	..	..	..	2,387	..	..	2,387	R
Main dam	..	..	..	..	..	325	..	..	325	
Cementing holes in regulator.	..	..	..	..	..	108	..	..	108	
Advance to work people.	..	..	..	..	..	179	..	..	179	Advances irrecoverable.
Total ..	..	..	4,42,200	..	..	4,65,938	..	..	23,738	

* — denotes savings.

13th December 1908.

R. deChazal,
Executive Engineer, Madura Division.

Constructing a regulator at the site of right bank escape, Periyár.

	RS.
Estimate	4,42,200

Explanation of excesses to accompany the completion report—

(A) The lump sum amount provided in the estimate is only Rs. 1,500. Rock in ventways had to be cut down with the chisel. The lowering and cutting down of the rock to receive the cill girders had probably not been anticipated. The actual cost is Rs. 2,587.

(A-1 & A-2) Cement concrete was used only when there was water. The savings in item A-1 is due to rock being found hard enough in some places and therefore not scraped out and replaced by concrete in surki mortar. The excess in item A-2 should be met with from the savings in item A-1.

(A-3) The savings is due to a portion of the work being done in cement and charged for under a separate sub-head H.

(B) The estimate allowed only for a fencing of cutstone to caps, whereas the caps were made wholly of cutstone. The front cut-waters were taken to greater depths to reach hard rock. The excess in cost is due to the original rate not being sufficient. The stones for cut-waters and caps were heavy stones and required careful dressing.

(C) Actual quantity and cost. A greater area of soft rock had to be removed and the hard rock benched. The rate also was found insufficient.

(C-1) Actual quantity and cost. The rate was found insufficient, sand having had to be brought from long distance.

(D) Actual cost. The scaffolding was twice more or less completely carried away by the floods.

(D-1) Actual cost, the estimate amount being lump sum provision.

(E) Actual cost of petty items.

(F) The supervision required was great and costly on account of the accuracy of the work to be turned out.

(F-1) Actual cost.

(G & H) As it was decided to have a good connection with the rock below the first courses of the piers and abutments should be of cement, the faces being cutstone imbedded in recesses cut in rock.

(I) It was thought necessary to put in cutstone for the bolts, drill holes through the cutstone and cement the bolts in. The cutstone was also necessary to get very accurate work done to following the angles and channels and the roller paths.

(J) Each cutstone over the face of the pier and abutment in the lower courses was accurately fitted in a recess chiselled in the rocks.

(K) This item ought to be met from the savings under "blasting rock" under lowering right bank escape. This is for lowering the rock in front and rear of the regulator and between the ventways that were left incomplete after lowering the escape was done.

(K-1) Actual cost.

(K-2) The required scrap iron was collected from old iron left behind after the construction of the Periyár dam.

(K-3) Actual cost, the estimate amount being lump sum provision.

(L) Actual cost do.

(M) Actuals do.

(M-1) Details not known. Probably chargeable to conveyance of shutters to site.

(M-2) Actual quantities and cost.

(N) This includes cutting back of the hill side for forming approaches.

(O) Charges of sundry items. Actuals.

(O-1) Actuals.

(P) The sheds were destroyed by fire and had to be rebuilt.

(Q) This was entered as a separate item although it could have been included in item M-2. It is the actual cost of removing the barrier of rock, the masonry wall in front of the regulator.

(R) This represents a large quantity of sand, cutstone and sand bags washed away in floods.

M. Brown,
Executive Engineer, Madura Division.

15th October 1909.

Estimate Form—Comparative statement of differences.

Description of work.	As estimated. Quantity.	As estimated. Rate.	As estimated. Amount.	As executed. Quantity.	As executed. Rate.	As executed. Amount.	More.	Less.	Explanation of difference.
1	2	3	4	5	6	7	8	9	10
Proposed regulator at Periyár.		RS.	RS.		RS.	RS.	RS.	RS.	
1. Cutting rock in ventways to uniform level.	..	L.S.	1,500	31,735	..	2,587	1,087	..	1. The lump sum amount provided in the estimate is only Rs. 1,500. Rock in ventways had to be cut down with the chisel. The lowering and cutting down of the rock to receive the oil girders had probably not been anticipated. The actual cost is Rs. 2,587.
2. (*a*) Concrete in surki mortar ..	12,612	..	2,459	3,477	..	755	..	..	2. The concrete in cement work as executed should come under concrete in surki mortar of the estimate, cement concrete being used when there was water. The savings in this item is due to the rock being found hard enough in some places and therefore not scraped out and replaced by concrete in surki mortar.
(*b*) Concrete in cement mortar ..	..	..	..	2,530	..	681	..	1,723	
				6,007		1,436			
3. Concrete in cement	731	..	636	..	..	..	..	636	3. This item was not utilized.
4. (*a*) Rubble in surki mortar ..	105,079	..	27,320	93,779	..	26,172	..	..	4. Rubble in cement and cutstone in cement as executed should be charged under item rubble in surki mortar of the estimate. It was decided that to have a good connection with the rock below, the first courses of the piers and abutments should be of cement, the faces being cutstone imbedded in recesses cut in rock and the hearting rubble masonry. Some of the cutstone in surki mortar facing work item 5 should also be charged under this item, as cutstone was used for facing work in some of the piers to fasten in bolts, etc.
(*b*) Rubble in cement	..	..	..	6,812	..	4,262			
(*c*) Cutstone in cement	..	..	..	2,961½	..	6,199			
				103,552½		36,633	9,313		
5. Cutstone faced work in surki mortar, out-waters and their caps.	9,038	..	20,336	7,477·73	..	21,432	1,096	..	5. The saving in quantity is due to the rear cut-waters to piers having been omitted. The estimate allowed only for a facing of cutstone to caps, whereas the caps were made wholly of cutstone. The front cut-waters were taken to greater depths to reach hard rock. The excess in cost is due to the original rate not being sufficient. The stones for cut-waters and caps were heavy stones and required careful dressing. See also remarks against item 4.
6. Cutstone flooring in cement and pointed with cement.	6,119	..	10,708	9,233	..	17,375	6,667	..	6. Actual quantity and cost. A greater area of soft rock had to be removed and the hard rock benched. The rate also was found insufficient.
7. Cement pointing to exposed surfaces.	35,500	..	2,485	39,784	..	2,852	367	..	7. Actual quantity and cost. The rate was found insufficient, sand having had to be brought from long distances.
8. Scaffolding, etc.	..	L.S.	1,000	..	L.S.	1,919	919	..	8. Actual cost. The scaffolding was twice more or less completely carried away by the floods.
9. Unforeseen works in connection with foundations.	..	L.S.	3,000	..	L.S.	2,606	..	394	9. Actual cost.
10. (*a*) Cutstone drilling holes for bolts.	..	..	..	..	..	1,100	1,208	..	10. It was thought necessary to put in cutstone for the bolts, drill holes through the cutstone and cement the bolts in. The cutstone was also necessary to get very accurate work done to following the angles and channels and the roller paths.
(*b*) Cementing holes	..	..	..	..	..	108			
11. Cutting and levelling rock in foundations and benching.	..	..	..	4,383	..	2,820	2,820	..	11. Each cutstone on the face of the pier and abutment in the lower courses was accurately fitted in a recess chiselled in the rock—*vide* also remarks for item 3.

Estimate Form—Comparative statement of differences—*cont.*

Description of work.	As estimated. Quantity.	Rate.	Amount.	As executed. Quantity.	Rate.	Amount.	More.	Less.	Explanation of difference.
1	2	3	4	5	6	7	8	9	10
		RS.	RS.		RS.	RS.	RS.	RS.	
12. Items costing Rs. 500 and under ..	..	L.S.	1,040	..	L.S.	1,193	153	..	12. Actual cost.
13. Supervision	..	L.S.	1,887	..	L.S.	3,426	1,539	..	13. The supervision required was great and costly on account of the accuracy of the work to be turned out.
14. Contingencies	..	L.S.	3,629	..	L.S.	4,168	539	..	14. Actual cost of petty items.
15. Excavating foundations	..	..	..	..	..	..	..	..	15. This item ought to go in under lowering right bank escape "blasting rock." This is for lowering the rock in front and rear of the regulator and between the ventways that was left incomplete after the lowering the escape was done. Hence figures are entered under heading blasting rock lowering right bank escape.
16. Materials washed away by floods ..	..	..	..	..	..	2,387	2,387	..	16. A large quantity of sand, sandbags and cutstone were washed away.
17. Advances to work people	..	..	..	..	..	179	179	..	17. Advances not recovered.
18. Main dam	..	..	..	..	..	325	325	..	18. Chargeable to repairs of main dam.
Lift shutters of Stoney's pattern including overbridges.									
1. Cost of 10 sluices as quoted by Messrs. Ransomes and Rapiers exclusive of timber and fitting boxes in counterbalance box	..	..	2,17,050	..	..	2,09,671	..	7,379	
2. Timber and fitting in balance boxes.	..	..	23,150	..	..	7,324	..	15,826	2. The required scrap iron was collected from old iron left behind after the construction of the Periyár dam.
3. Landing the shutter articles, etc., railway freight for the same from Egmore to Ammayanáyakanúr Railway station	..	..	20,000	..	..	448	..	19,552	3. Actuals.
4. Conveyance of shutter articles from the Railway station to the site ..	..	..	2,500	..	..	17,781	15,281	..	4. Actuals.
5. Fitting charges at site for 10 shutters.	..	..	5,000	..	..	29,744	24,744	..	5. Actuals.
6. Items costing Rs. 500 and under ..	..	..	..	..	..	100	100	..	6. Details not known. Probably chargeable to conveyance of shutters to site item 4.
			2,67,700			2,65,068	40,125	2,757	
Lowering right bank escape.									
1. (*a*) Blasting rock.	1,024,538	..	81,963	..	..	72,433	..	..	1. Actual quantities of cost.
(*b*) Excavating foundations	..	..	..	9,435	..	1,211			
(*c*) Removing barrier	..	..	..	..	..	4,482			
						78,126		3,837	
2. Earthwork in gravelly soil	382,283	..	3,441	..	..	4,359	918	..	2. This includes cutting back of the hill side for forming approaches.
3. Contingencies	..	..	2,149	..	..	4,994	2,845	..	3. Charges of sundry items. Actuals.
4. Supervision	..	..	2,149	..	..	2,426	277	..	4. Actuals.
5. Items costing Rs. 500 and under ..	..	..	298	..	..	..	..	298	...

Estimate Form—Comparative statement of differences—*cont*.

Description of work.	As estimated.			As executed.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
Hutting mechanics, store-sheds, labourers and bazaarman, etc.			RS.			RS.	RS.	RS.	
1. Hutting for mechanics	..	..	1,000	..	..	1,139	139	..	
2. Store-sheds	..	..	2,500	..	..	1,008	..	1,492	
3. Labourers and bazaarman ..	..	..	5,000	..	..	5,934	934	..	3. The sheds were destroyed by fire and had to be rebuilt.
4. Constructing hospital	..	..	..	..	..	338	338	..	
Total ..	..	..	98,500	..	..	98,324	5,451	5,627	
Grand total ..	..	..	4,42,200	..	..	4,65,938	74,175	50,437	

14*th September* 1909.

P. A. VENKATARAMAN,
Supervisor.

III

Note by the Chief Engineer for Irrigation, dated 20th May 1910.

With his above letter, the Superintending Engineer submits a completion report with plans of the work—constructing a regulator at the site of the Periyár right bank escape—involving an excess of Rs. 23,738 over the estimate of Rs. 4,42,200 sanctioned in G.O., No. 211 I., dated 24th February 1905. In the circumstances stated in the explanatory note received with the Superintending Engineer's letter, the Examiner, Public Works Accounts, may be authorised to pass the excess.

C. A. Smith,
Chief Engineer.

Order—No. 179 I., dated 8th June 1910.

The excess outlay will be passed by the Examiner, Public Works Accounts.

2. This sanction is registered as No. 27 I. of 1910–11.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 180 I., dated 8th June 1910.]

(True Extract.)

C. A. Smith,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation, with plans.
,, Superintending Engineer, VI Circle.
,, Examiner, Public Works Accounts.

Endorsement—No. 180 I., dated 8th June 1910.

Forwarded.

(By Order.)

C. A. Smith,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

7/179 7

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O., Nos. 179-80 I., DATED 8TH JUNE 1910.

[SUBJECT.—*Completion report for constructing a regulator at Periyár right bank escape.*]

From the Superintending Engineer, VI Circle, dated 15th March 1910, *No.* 296-*C.E.*
From the Examiner, Public Works Accounts, dated 31*st March* 1910, *No.* 1777-*B./Bk.*

Under Secretary—

The Superintending Engineer, VI Circle, submits with plans the completion report of the work—"Constructing a regulator at the site of the Periyár right bank escape, Periyár project"—involving an excess of Rs. 23,738, over the estimate of Rs. 4,42,200 (for works) sanctioned in G.O., No. 211 I., dated 24th February 1905. The report has been verified by the Examiner, Public Works Accounts, and the excess, which is a little above 5 per cent. of the estimate, can be passed by this Government, with reference to paragraph 1928 of the Public Works Department Code.

J. M. LACEY. | Submitted that the completion report may first be checked in the Technical section.

G.V.
4-4-10.

M.A.
5-4-10.

J. M. LACEY.
7-4-10.

The completion report has been checked. The cause of excess under individual items has been explained in detail in the note attached to the completion report. The excess, as ascertained from the comparative statement, is briefly described below.

The excess is chiefly due to—

	RS.
(*a*) Extra rock-cutting considered necessary during execution ...	1,087
(*b*) Substitution of rubble in cement and cutstone in cement mortar for the body and faces of the abutments and piers at bottom for rubble and cutstone in surki mortar allowed in the original estimate	7,654
(*c*) Extra quantity of cutstone work found necessary as well as to increased rates which had to be paid for the same item ...	8,130
(*d*) Cost of unforeseen works, such as cutting and benching rock in foundations, drilling holes in cutstone and for other petty works which were not anticipated when the original estimate was framed	6,784
(*e*) Value of the articles and materials washed away during floods.	2,891
Total ...	26,546
Savings under minor items	2,808
Net excess ...	23,738

M.V.
16-5-10.

Superintendent, Finance Section—

For necessary action.

N.S.
18-5-10.

With reference to paragraph 3 of Superintending Engineer's letter No. 296 C.E., dated 15th March 1910, the firs set of plans received from the Superintending Engineer have been sent to Ootacamund. As soon as they are returned from Ootacamund they will be compared with the revised set and necessary corrections carried out.

These plans have since been received from Ootacamund and the necessary corrections have been carried out.

N.S.
18-5-10.

M.V.
16-5-10.

N.S.
18-5-10.

Under Secretary—

A draft order on the completion report is submitted for approval. It may issue under the discretionary powers vested in Joint Secretary.

M.A.
18-5-10.

Secretary—

J.M.L.
21-5-10.

Note for His Excellency—

The file relates to the completion report of the work of constructing the right bank escape at Periyár.

The excess over the sanctioned estimate of Rs. 4,42,200 is Rs. 23,738, a little over 5 per cent. I consider that under the circumstances as explained in detail in the completion report the extra works which have caused the excess were unavoidable and could not well have been foreseen.

Draft order passing the excess is submitted for approval.

C. A. SMITH.
23-5-10.

A. L[AWLEY].
25-5-10.

Under Secretary—

The draft order may now issue.

G.V.
25-5-10.

M. S.V.
26-5-10.

Issue.

J.M.L.
31-5-10.

[Issued as G.O., Nos. 179-80 I., dated 8th June 1910.]

SUBJECT :— Completion report for the work - Constg a regulator at the Periyar right bank escape -

Urgent

8/179

WARRENT No. 5424
PASSED ON BY
3.6.10

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

6

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Quote G.O.No.211-I dated 24-2-1905 1st P

Read also

Ch No 1374 From the Supg.Engr,VI Circle,No.296 C.E.,dated 15-3-1910

Endt.thereon by the Examiner P.W.Accounts No.1777 B/BE,d/31-3-10 2nd P

Note by the Chief Engr.for Irrgn.

With his above letter, the Supg. Engr. submits a completion report with plans of the work - constructing a regulator at the site of the Periyar Right bank escape, involving an excess of Rs.23,738 over the estimate of Rs. 4,42,200 sanctioned in G.O.No.211-I dated 24-2-1905. In the circumstances stated in the explanatory note received with the Supg.Engr's letter, the -- Examiner, P.W.Accounts, may be authorised to pass the excess.

Z

<u>Order</u> No 179 I d/8-6-10

The excess outlay will be passed by the Examiner, P.W.Accounts.

2

9/179 9 22

2. This sanction is registered as No. 27 - I of 1910-11.

3. Ordered that a copy of these proceedings be forwarded to the Govt. of India for information.

(H.S. No 180 d/ 8.6.10.)

Forwarded.

Draft 27/7/10

25.5.10

Issue

21.5.10

20/5/10

To the Chief Engr. for Irrgn with plans
" Supg. Engr. VI Circle.
" Examiner P.W. Accounts.

Draft 27/7/10

18/5/10

Ordinary Orders

(3)

13/6/16 | RH 56

1876-16
RH

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179

179-180 J
Parcels
22/6